

Table 6-23. Effluent Channel surface water results and ecological criteria comparison.

		Area:	Channel	Channel	Channel	Channel	Channel	Channel	Channel
		Sample ID	DITCH-1 06/06/2012 SA	DITCH-1 DUP 06/06/2012 FD	DITCH-1 12/18/2012 SA	DITCH-2 06/06/2012 SA	DITCH-2 12/18/2012 SA	DITCH-3 06/06/2012 SA	DITCH-3 12/18/2012 SA
Unit	Analyte	CAS	ESL	Result Qual	Result Qual	Result Qual	Result Qual	Result Qual	Result Qual
ug/L	1,1,1-Trichloroethane	71-55-6	11	0.5 U	0.5 U	-	0.5 U	-	0.5 U
ug/L	1,1-Dichloroethene	75-35-4	25	0.5 U	0.5 U	-	0.5 U	-	0.5 U
ug/L	1,2-Dichlorobenzene	95-50-1	0.70	0.5 U	0.5 U	-	0.5 U	-	0.5 U
ug/L	1,2-Dichloroethane	107-06-2	100	0.5 U	0.5 U	-	0.5 U	-	0.5 U
ug/L	1,4-Dichlorobenzene	106-46-7	9.4	0.64 U	0.64 U	-	0.64 U	-	0.64 U
ug/L	1,4-Dioxane	123-91-1	22000	100 U	100 U	-	100 U	-	100 U
ug/L	2-Butanone (MEK)	78-93-3	2200	2.6 U	2.6 U	-	2.6 U	-	2.6 U
ug/L	Acetone	67-64-1	1500	3.5 U	3.5 U	-	3.5 U	-	3.5 U
ug/L	Benzene	71-43-2	53	0.34 U	0.34 U	0.4 U	0.34 U	0.4 U	0.34 U
ug/L	Carbon disulfide	75-15-0	0.92	0.5 U	0.5 U	-	0.5 U	-	0.5 U
ug/L	Carbon tetrachloride	56-23-5	9.8	0.5 U	0.5 U	-	0.5 U	-	0.5 U
ug/L	Chlorobenzene	108-90-7	1.3	0.5 U	0.5 U	-	0.5 U	-	0.5 U
ug/L	Chloroform	67-66-3	1.8	0.6 U	0.6 U	-	0.6 U	-	0.6 U
ug/L	Ethylbenzene	100-41-4	14	0.5 U	0.5 U	0.54 U	0.5 U	0.54 U	0.5 U
ug/L	Ethylene Dibromide	106-93-4	-	0.5 U	0.5 U	-	0.5 U	-	0.5 U
ug/L	Hexachlorobutadiene	87-68-3	0.05	0.9 U	0.9 U	-	0.9 U	-	0.9 U
ug/L	Methyl tert-butyl ether	1634-04-4	11070	0.74 U	0.74 U	1.8 U	0.74 U	1.8 U	0.74 U
		179601-23-1							
ug/L	m-Xylene & p-Xylene	1	13	1.6 U	1.6 U	1 U	1.6 U	1 U	1.6 U
ug/L	o-Xylene	95-47-6	13	1.6 U	1.6 U	0.69 U	1.6 U	0.69 U	1.6 U
ug/L	Styrene	100-42-5	32	1 U	1 U	-	1 U	-	1 U
ug/L	Tetrachloroethene	127-18-4	45	0.58 U	0.58 U	-	0.58 U	-	0.58 U
ug/L	Toluene	108-88-3	2.0	0.7 U	0.7 U	0.98 U	0.7 U	0.98 U	0.7 U
ug/L	Trichloroethene	79-01-6	21	0.5 U	0.5 U	-	0.5 U	-	0.5 U
ug/L	Vinyl chloride	75-01-4	930	0.5 U	0.5 U	-	0.5 U	-	0.5 U
ug/L	2,4,5-Trichlorophenol	95-95-4	64	3.7 U	3.7 U	-	3.7 U	-	3.7 U
ug/L	2,4,6-Trichlorophenol	88-06-2	3.2	3.5 U	3.5 U	-	3.5 U	-	3.5 U
ug/L	2,4-Dimethylphenol	105-67-9	21	3.5 U	3.5 U	-	3.5 U	-	3.5 U
ug/L	2,4-Dinitrotoluene	121-14-2	44	1.9 U	1.9 U	-	1.9 U	-	1.9 U
ug/L	2-Methylphenol	95-48-7	13	1.8 U	1.8 U	-	1.8 U	-	1.8 U
ug/L	3 & 4 Methylphenol	15831-10-4	25	0.39 U	0.39 U	-	0.39 U	-	0.39 U
ug/L	7,12-Dimethylbenz(a)anthracene	57-97-6	0.55	3.7 U	3.7 U	-	3.7 U	-	3.7 U
ug/L	Acenaphthene	83-32-9	5.8	0.16 U	0.16 U	-	0.16 U	-	0.16 U
ug/L	Anthracene	120-12-7	0.01	0.18 U	0.18 U	-	0.18 U	-	0.18 U
ug/L	Benzo(a)anthracene	56-55-3	0.02	0.18 U	0.18 U	-	0.18 U	-	0.18 U

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		Area:	Channel	Channel	Channel	Channel	Channel	Channel	Channel
		Sample ID 06/06/2012 SA	DITCH-1 06/06/2012 FD	DITCH-1 DUP 06/06/2012 FD	DITCH-1 12/18/2012 SA	DITCH-2 06/06/2012 SA	DITCH-2 12/18/2012 SA	DITCH-3 06/06/2012 SA	DITCH-3 12/18/2012 SA
Unit	Analyte	CAS	ESL	Result Qual	Result Qual	Result Qual	Result Qual	Result Qual	Result Qual
ug/L	Benzo(a)pyrene	50-32-8	0.01	0.12 U	0.12 U	-	0.12 U	-	0.12 U
ug/L	Benzo(b)fluoranthene	205-99-2	9.1	0.15 U	0.15 U	-	0.15 U	-	0.15 U
ug/L	Bis(2-ethylhexyl) phthalate	117-81-7	0.30	2 U	2 U	-	2 U	-	2 U
ug/L	Butyl benzyl phthalate	85-68-7	19	0.19 U	0.19 U	-	0.19 U	-	0.19 U
ug/L	Chrysene	218-01-9	7.0	0.19 U	0.19 U	-	0.19 U	-	0.19 U
ug/L	Dibenz(a,h)anthracene	53-70-3	5.0	0.24 U	0.24 U	-	0.24 U	-	0.24 U
ug/L	Di-n-butyl phthalate	84-74-2	7.0	2.7 U	2.7 U	-	2.7 U	-	2.7 U
ug/L	Di-n-octyl phthalate	117-84-0	22	0.17 U	0.17 U	-	0.17 U	-	0.17 U
ug/L	Fluoranthene	206-44-0	0.04	0.18 U	0.18 U	-	0.18 U	-	0.18 U
ug/L	Fluorene	86-73-7	3.0	0.18 U	0.18 U	-	0.18 U	-	0.18 U
ug/L	Hexachlorobenzene	118-74-1	0.0003	0.17 U	0.17 U	-	0.17 U	-	0.17 U
ug/L	Hexachloroethane	67-72-1	8.0	4.2 U	4.2 U	-	4.2 U	-	4.2 U
ug/L	Indeno(1,2,3-cd)pyrene	193-39-5	4.3	0.22 U	0.22 U	-	0.22 U	-	0.22 U
ug/L	Naphthalene	91-20-3	1.1	0.17 U	0.17 U	1.7 U	0.17 U	1.7 U	0.17 U
ug/L	Nitrobenzene	98-95-3	220	0.13 U	0.13 U	-	0.13 U	-	0.13 U
ug/L	Pentachlorophenol	87-86-5	0.50	1.4 U	1.4 U	-	1.4 U	-	1.4 U
ug/L	Phenol	108-95-2	4.0	2.6 U	2.6 U	-	2.6 U	-	2.6 U
ug/L	Pyrene	129-00-0	0.03	0.21 U	0.21 U	-	0.21 U	-	0.21 U
ug/L	Pyridine	110-86-1	2380	3.2 U	3.2 U	-	3.2 U	-	3.2 U
ug/L	Sulfolane	126-33-0	-	0.58 U	0.58 U	0.94 J	0.58 U	0.55 U	0.58 U
ug/L	Antimony	7440-36-0	30	10 U	10 U	-	10 U	-	10 U
ug/L	Arsenic	7440-38-2	5.0	4 U	4 U	-	4 U	-	4 U
ug/L	Barium	7440-39-3	4.0	98	98	-	39	-	30
ug/L	Beryllium	7440-41-7	0.53	1 U	1 U	-	1 U	-	1 U
ug/L	Cadmium	7440-43-9	0.15	1 U	1 U	-	1 U	-	1 U
ug/L	Chromium	7440-47-3	42	2 U	2 U	-	4.1 J	-	2 U
ug/L	Chromium, hexavalent	18540-29-9	10.0	6.5 U H	6.5 U H	-	6.5 U H	-	6.5 U H
ug/L	Cobalt	7440-48-4	23	3 U	3 U	-	3 U	-	3 U
ug/L	Copper	7440-50-8	1.6	2 U	2 U	-	2 U	-	2 U
ug/L	Cyanide, Total	57-12-5	5.0	2.2 U	2.2 U	-	2.2 U	-	2.2 U
ug/L	Lead	7439-92-1	1.0	2 U	2 U	-	2 U	-	2 U
ug/L	Manganese	7439-96-5	120	150	160	-	140	-	340
ug/L	Mercury	7439-97-6	0.00	0.07 U	0.07 U	-	0.07 U	-	0.07 U
ug/L	Nickel	7440-02-0	29	7.7	7.9	-	18	-	12
ug/L	Selenium	7782-49-2	1.0	4 U	4 U	-	4 U	-	4 U
ug/L	Silver	7440-22-4	0.01	2 U	2 U	-	2 U	-	2 U

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			Area:	Channel							
			Sample ID	DITCH-1	DITCH-1 DUP	DITCH-1	DITCH-2	DITCH-2	DITCH-3	DITCH-3	DITCH-3
			Sample Date:	06/06/2012	06/06/2012	12/18/2012	06/06/2012	12/18/2012	06/06/2012	12/18/2012	
Unit	Analyte	CAS	ESL	Result Qual							
ug/L	Vanadium	7440-62-2	12	8.5 J	9 J	-	35	-	17	-	-
ug/L	Zinc	7440-66-6	58	8 U	8 U	-	12 J	-	8 U	-	-